



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
(305) 375-2901 FAX (305) 375-2908

NOTICE OF ACCEPTANCE (NOA)

PGT Industries
P.O. Box 1529
Nokomis, FL 34274

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SH-4000" Aluminum Single Hung Window

APPROVAL DOCUMENT: Drawing No. 2736, titled "Alum. Single Hung Window W/ STD. MTG. Rail", sheets 1 through 7 of 7, prepared, signed and sealed by Robert L. Clark, P.E., dated 12/15/04 with revision "F", on 09/20/06, bearing the Miami-Dade County Product Control Renewal Stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 05-0104.05 and, consists of this page 1 and evidence page E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Jaime D. Gascon, P.E.**



J. Gascon
10/20/06

NOA No 06-0706.04
Expiration Date: September 30, 2011
Approval Date: October 19, 2006
Page 1


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. **DRAWINGS**

1. Manufacturer's die drawings and sections.
2. Drawing No **2736**, titled "Series "Alum. Single Hung Window W/STD. MTG. Rail" Sheets 1 through 9 of 9, prepared by the manufacture dated 12/15/04 with revision "D", on 12/15/04, signed and sealed by Robert L. Clark, P.E.

B. **TESTS**

1. Test reports on 1) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94 along with marked-up drawings and installation diagram of aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-3654** signed and sealed by Joseph C. Chan, P.E.
"Submitted under NOA # 058-0104.05"
2. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of aluminum single hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-2959, 2960, 2961, 2962, 2963 and 2964** dated various, signed and sealed by Antonio Acevedo, P.E. **"Submitted under NOA # 058-0104.05"**
3. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of aluminum single hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4179** dated April 07, 2004, signed and sealed by Edmundo J. Largaespada, P.E.
"Submitted under NOA # 058-0104.05"
4. Test reports on 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Forced Entry Test, per FBC 2411.3.2.1 (b) and TAS 202-94
along with marked-up drawings and installation diagram of aluminum single hung windows, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-4379** dated 11/04/04, signed and sealed by Edmundo J. Largaespada, P.E.


Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0706.04
Expiration Date: September 30, 2011
Approval Date: October 19, 2006

PGT Industries

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. Revised Anchor Calculations, ASTM-E 1300-02, and structural analysis, prepared by PGT Industries, dated 09/20/06, signed and sealed by Robert L. Clark, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS


1. None.

F. STATEMENTS

1. Statement letter of conformance and no financial, dated May 11, 2001, signed by Robert L. Clark, P.E.
"Submitted under NOA # 04-0714.06"
2. Laboratory compliance statement as part of test reports for Test Report no. **FTL-2959, 2960, 2961, 2962, 2963 and 2964**, issued by Fenestration Testing Laboratory, Inc., signed and sealed by signed and sealed by Antonio Acevedo, P.E.
"Submitted under NOA # 04-0714.06"

G. OTHER

1. Letter from the consultant stating that the product is in compliance with the Florida Building Code (FBC).
2. Notice of Acceptance No. 05-0104.05, issued to PGT Industries, Series SH-4000 Aluminum Single Hung Window, approved on 03/24/05, and expiring on 09/30/06.


Jaime D. Gascon, P.E.
Chief, Product Control Division
NOA No 06-0706.04
Expiration Date: September 30, 2011
Approval Date: October 19, 2006

GENERAL NOTES: NON-IMPACT WINDOW

1. GLAZING OPTIONS:
- A. 1/8" ANNEALED GLASS
 - B. 1/8" TEMPERED GLASS
 - C. 3/16" ANNEALED GLASS
 - D. 1/4" ANNEALED GLASS
 - E. 3/16" TEMPERED GLASS
 - F. 1/4" TEMPERED GLASS
 - G. 1/2" I.G. GLASS CONSISTING OF (2) LITES OF 1/8" ANNEALED GLASS WITH A 1/4" AIR SPACE BETWEEN.
 - H. 1/2" I.G. GLASS CONSISTING OF (1) LITE OF 3/16" ANNEALED GLASS AND (1) LITE OF 1/8" ANNEALED GLASS WITH A 3/16" AIR SPACE BETWEEN.
 - F** I. 1/2" I.G. GLASS CONSISTING OF (2) LITES OF 1/8" TEMPERED GLASS WITH A 1/4" AIR SPACE BETWEEN.
 - J. 1/2" I.G. GLASS CONSISTING OF (1) LITE OF 3/16" TEMPERED GLASS AND (1) LITE OF 1/8" TEMPERED GLASS WITH A 3/16" AIR SPACE BETWEEN.

2. CONFIGURATION: 1/1 OX

3. DESIGN PRESSURES: (SEE TABLE 1, SHEET 3)
- A. NEGATIVE DESIGN LOADS BASED ON TESTED PRESSURE AND GLASS TABLES ASTM E 1300-02.
 - F** B. POSITIVE DESIGN LOADS BASED ON WATER TEST PRESSURE AND GLASS TABLES ASTM E 1300-02.
 - C. DESIGN PRESSURES LESS THAN 40 PSF ARE NOT APPLICABLE IN MIAMI-DADE COUNTY.

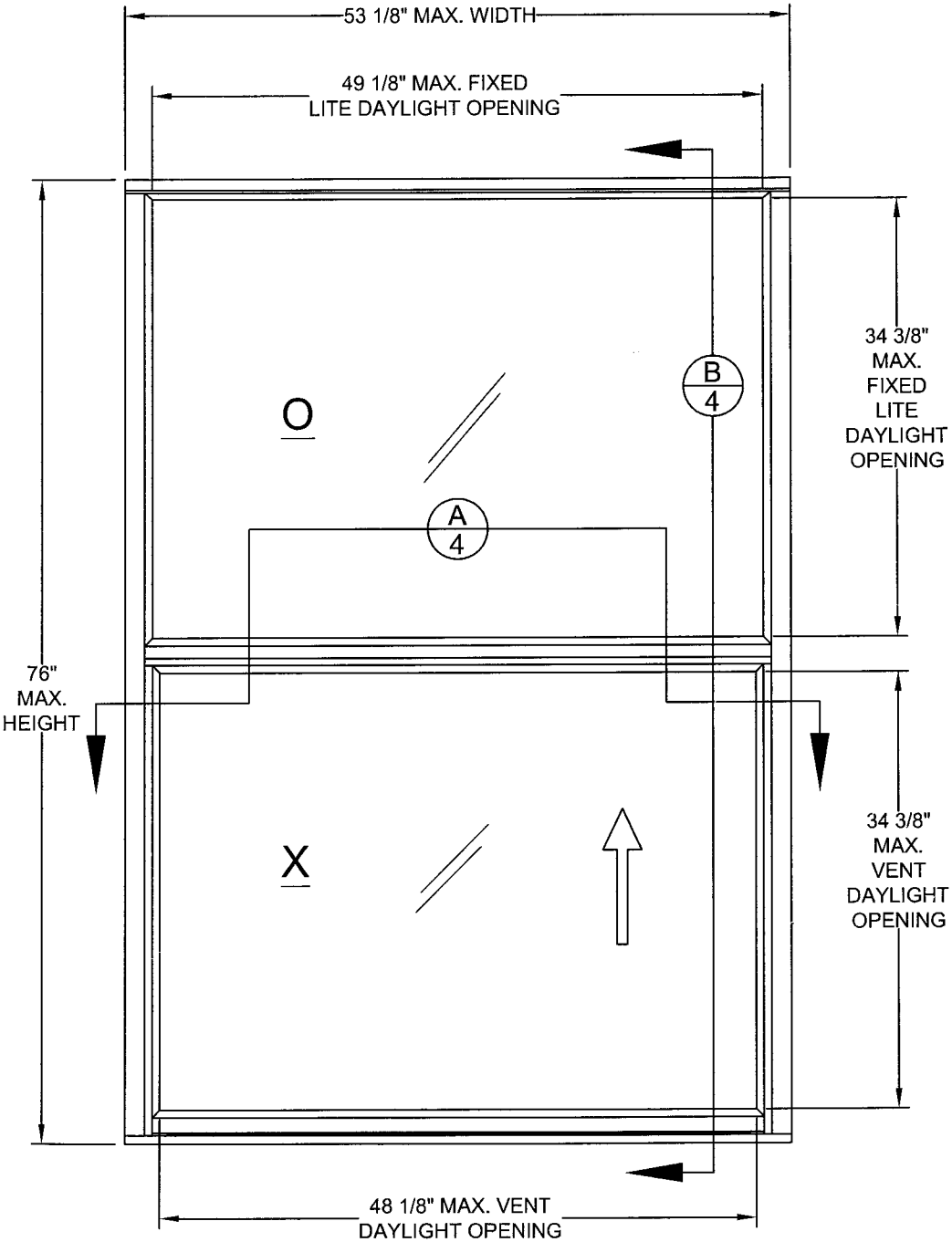
4. FOR ANCHORAGE REQUIREMENTS SEE SHEETS 6 AND 7.
THE 33 1/3 STRESS INCREASE HAS NOT BEEN USED IN THE DESIGN OF THIS PRODUCT.

5. SHUTTERS ARE REQUIRED WHERE IMPACT RESISTANCE IS REQUIRED.
SHUTTERS MUST BE MIAMI-DADE COUNTY APPROVED FOR INSTALLATION IN MIAMI-DADE COUNTY.

6. SEALANTS: FRAME CORNERS, FIXED MEETING RAIL SEAMS AND VENT CORNERS SEALED WITH CLEAR COLORED SEALANT.

7. REFERENCES: TEST REPORTS FTL-2959, FTL-2960, FTL-2961, FTL-2963, FTL-3654, FTL-4179, AND FTL-4379.
ELCO TEXTRON NOA: 04-0721.01, 03-0225.05
ANSI/AF&PA NDS-2001 FOR WOOD CONSTRUCTION
ADM-2000 ALUMINUM DESIGN MANUAL

8. THIS PRODUCT HAS BEEN DESIGNED & TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2004 EDITION FOR THE HIGH VELOCITY HURRICANE ZONE (HVHZ).



OUTSIDE ELEVATION

NOA DRAWING MAP

	SHEET
GENERAL NOTES.....	1
ELEVATIONS.....	1
GLAZING DETAILS.....	2
DESIGN PRESSURES.....	3
VERT. SECTIONS.....	4
HORIZ. SECTIONS.....	4
PARTS LIST.....	5
EXTRUSIONS.....	5
ANCHORAGE.....	6-7

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 06-0706.04
Expiration Date 09/30/11
By [Signature]
Miami Dade Product Control
Division

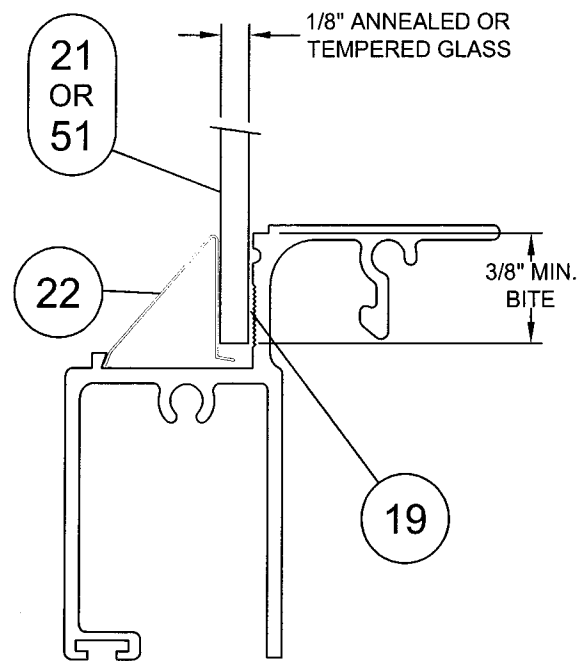
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9/20/04
Robert L. Clark, P.E.
PE #39712
Structural

Revsd By:	Date:	Revisions:	CHANGE NOTE 3 TO ASTM E 1300-02 AND ADD AIR SPACE DIM. TO I.G. GLASS RECIPES.
F.K.	09/20/06	F	
Revsd By:	Date:	Revisions:	ADD UPGRADE GLASS TYPES I. AND J. (TEMPERED I.G. OPTIONS) CHANGED NOTES 3, 4, 7 & MAP PAGES. ADD NOTE 8.
J.J.	08/05/05	E	
Revsd By:	Date:	Revisions:	REDRAWN & ADDED ALT. EXTR., ADD'L GLASS TYPES & MAP.
F.K.	12/15/04	D	
Drawn By:	Date:	Checked By:	Date:
F.K.	12/15/04	J.J.	5/26/06

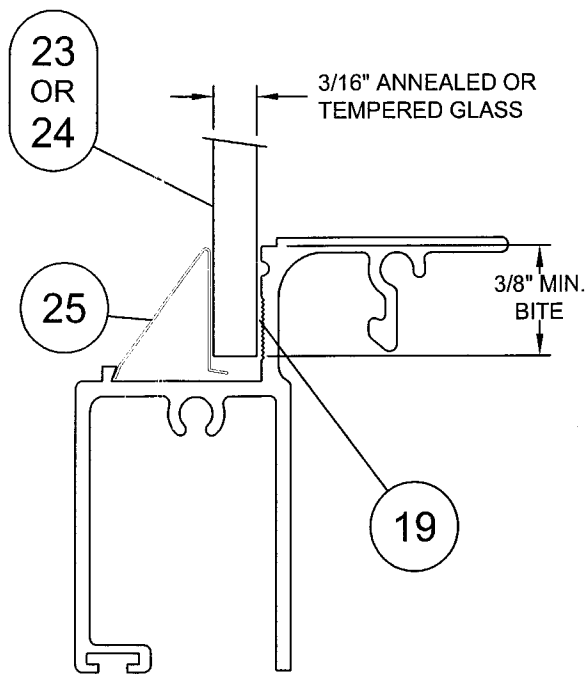
1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274



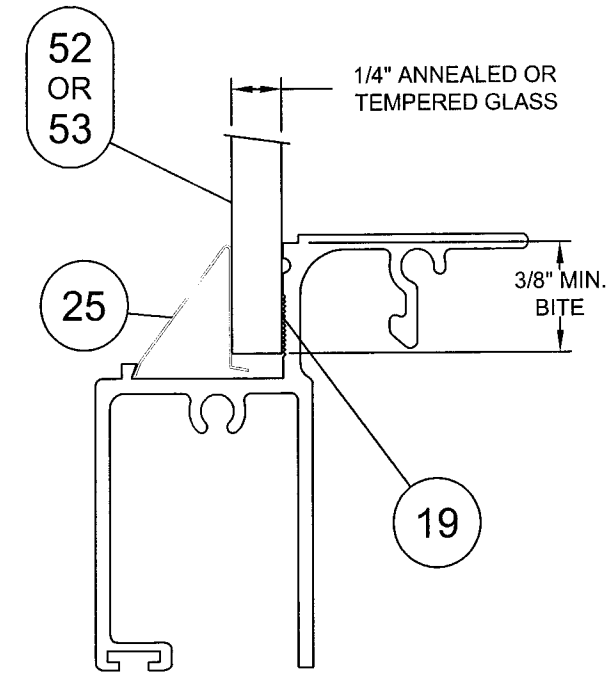
Description:			
GENERAL NOTES AND ELEVATION			
Title:			
ALUM. SINGLE HUNG WINDOW, STD. MTG. RAIL			
Series/Model:	Scale:	Sheet:	Drawing No.
SH4000	NTS	1 of 7	2736
			Rev:
			F



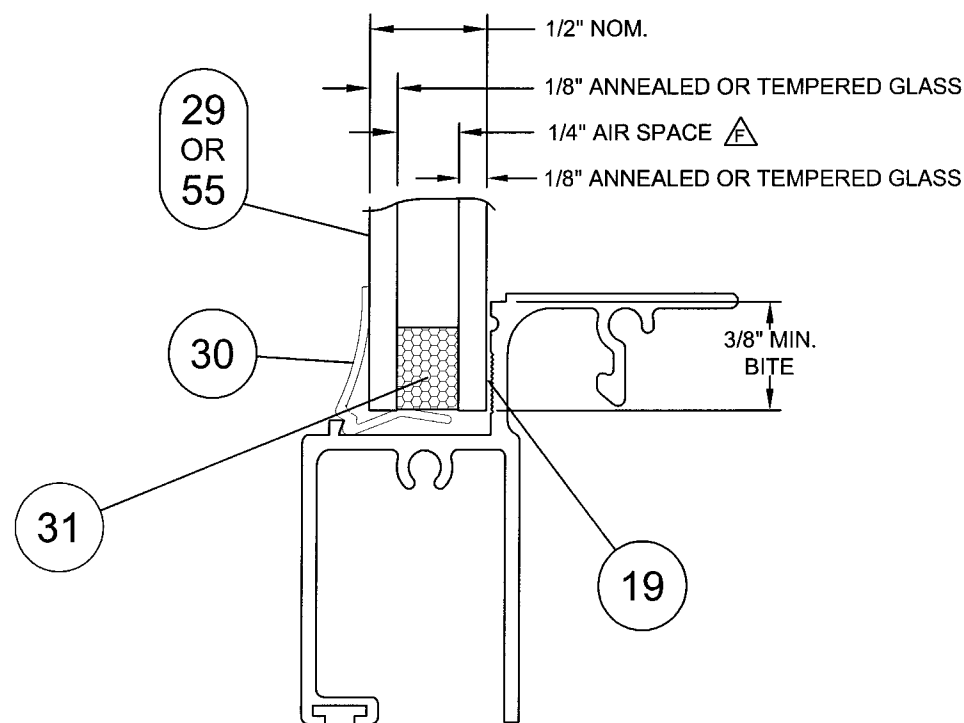
1/8" GLAZING DETAIL
(ORIGINAL DESIGN)



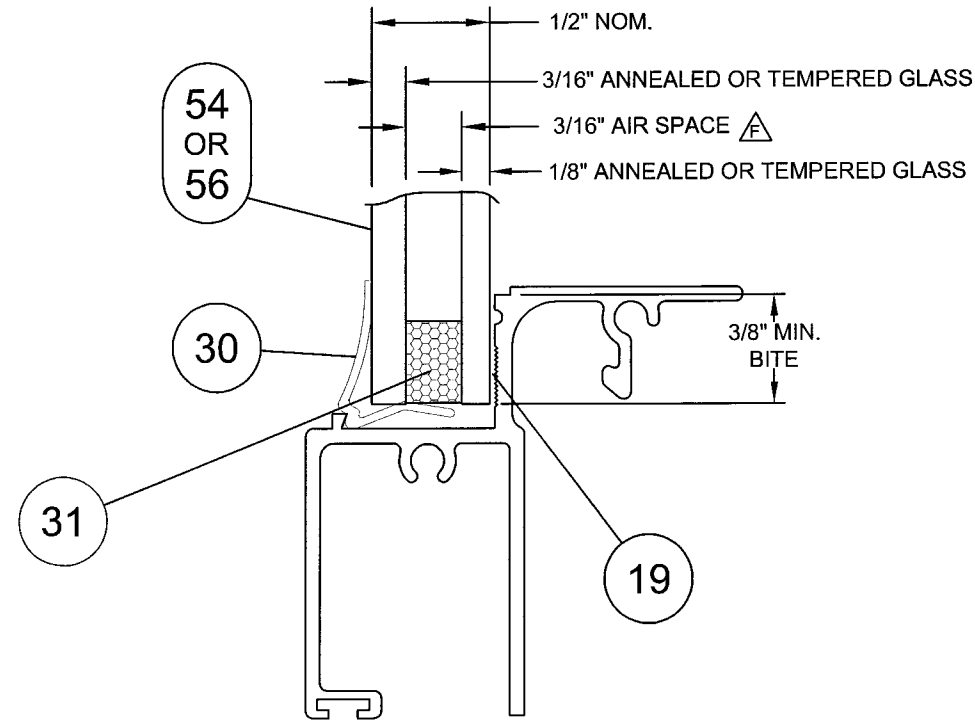
3/16" GLAZING DETAIL
(ORIGINAL DESIGN)



1/4" GLAZING DETAIL
(ORIGINAL DESIGN)



1/2" I.G. GLAZING DETAIL
(ORIGINAL DESIGN)



1/2" I.G. GLAZING DETAIL
(ORIGINAL DESIGN)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 06-0706.04
Expiration Date 09/30/14
By *[Signature]*
Miami-Dade Product Control
Division

[Signature]
9/20/06
Robert L. Clark, P.E.
PE #39712
Structural

Rev'd By: F.K.	Date: 09/20/06	Revisions: F	ADD AIR SPACE DIM. TO I.G. GLASS DETAILS & ITEMS 55 & 56.
Rev'd By: J.J.	Date: 08/05/05	Revisions: E	ADD TEMPERED OPTION TO I.G. GLAZING DETAILS. ADDED IG GLAZING DETAILS & REMOVED ALT. ONES.
Rev'd By: F.K.	Date: 12/15/04	Revisions: D	REDRAWN ORIG. AND ADDED ALT. GLAZING DETAILS.
Drawn By: F.K.	Date: 12/15/04	Checked By: J.J.	Date: 5/26/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
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NOKOMIS, FL 34274

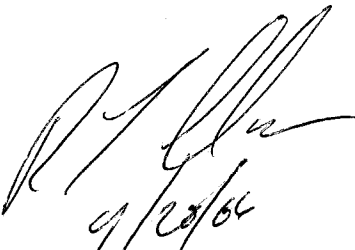
PGT
Visibly Better

Description: GLAZING DETAILS			
Title: ALUM. SINGLE HUNG WINDOW, STD. MTG. RAIL			
Series/Model: SH4000	Scale: Full	Sheet: 2 of 7	Drawing No. 2736
			Rev: F

COMPARATIVE ANALYSIS:											TABLE 1.
WINDOW WIDTH	GLASS TYPE	WINDOW HEIGHT									
		26"		38 3/8"		50 5/8"		63"		76"	
19 1/8"	A	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-71.0	+43.8	-43.8
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-73.0
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-86.0	+56.7	-66.4
24"	A	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-63.6	+38.2	-38.2
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-84.9	+56.7	-63.6
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-77.1	+56.7	-57.9
26 1/2"	A	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-61.6	+36.3	-36.3
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-82.1	+56.7	-60.5
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-74.6	+55.0	-55.0
32"	A	+56.7	-90.0	+56.7	-85.5	+56.7	-77.8	+56.7	-60.0	+33.8	-33.8
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-80.0	+56.4	-56.4
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-72.8	+51.3	-51.3
37"	A	+56.7	-90.0	+56.7	-73.5	+56.7	-65.9	+56.7	-58.2	+33.0	-33.0
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-80.0	+55.0	-55.0
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-72.8	+50.0	-50.0
40"	A	+56.7	-90.0	+56.7	-66.5	+56.7	-59.3	+48.0	-48.0	+33.0	-33.0
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-80.0	+55.0	-55.0
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-90.0	+56.7	-90.0	+56.7	-72.8	+50.0	-50.0
44"	A	+56.7	-87.8	+56.7	-60.3	+51.7	-51.7	+48.0	-48.0	+33.0	-33.0
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-89.9	+56.7	-80.0	+55.0	-55.0
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-90.0	+56.7	-81.7	+56.7	-72.8	+50.0	-50.0
48"	A	+56.7	-79.3	+56.7	-56.7	+46.3	-46.3	+42.1	-42.1	+33.0	-33.0
	B,E,F	+56.7	-90.0	+56.7	-90.0	+56.7	-79.7	+56.7	-70.2	+55.0	-55.0
	C,D,G,H,I,J	+56.7	-90.0	+56.7	-88.0	+56.7	-72.5	+56.7	-63.8	+50.0	-50.0
53 1/8"	A	+56.7	-70.6	+51.2	-51.2	+39.9	-39.9	+36.3	-36.3	+33.0	-33.0
	B,E,F	+56.7	-87.0	+56.7	-80.0	+56.7	-69.6	+56.7	-60.6	+55.0	-55.0
	C,D,G,H,I,J	+56.7	-87.0	+56.7	-77.6	+56.7	-63.3	+55.1	-55.1	+50.0	-50.0

GLASS TYPES:		
A.	1/8" ANNEALED	FTL-2961, 2963
* B.	1/8" TEMPERED	FTL-2961, 2963
C.	3/16" ANNEALED	FTL-2960
* D.	1/4" ANNEALED	FTL-2960
E.	3/16" TEMPERED	FTL-2959, 4179, 4379
* F.	1/4" TEMPERED	FTL-2959, 4179, 4379
G.	1/2" I.G. (1/8"A, 1/4" AIR SPACE, 1/8"A)	FTL-3654
* H.	1/2" I.G. (3/16"A, 3/16" AIR SPACE, 1/8"A)	FTL-3654
* I.	1/2" I.G. (1/8"T, 1/4" AIR SPACE, 1/8"T)	FTL-3654
* J.	1/2" I.G. (3/16"T, 3/16" AIR SPACE, 1/8"T)	FTL-3654
* UPGRADE FROM GLASS TYPE TESTED		

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 06-070604
 Expiration Date 09/30/11
 By [Signature]
 Miami Code Product Control
 Division

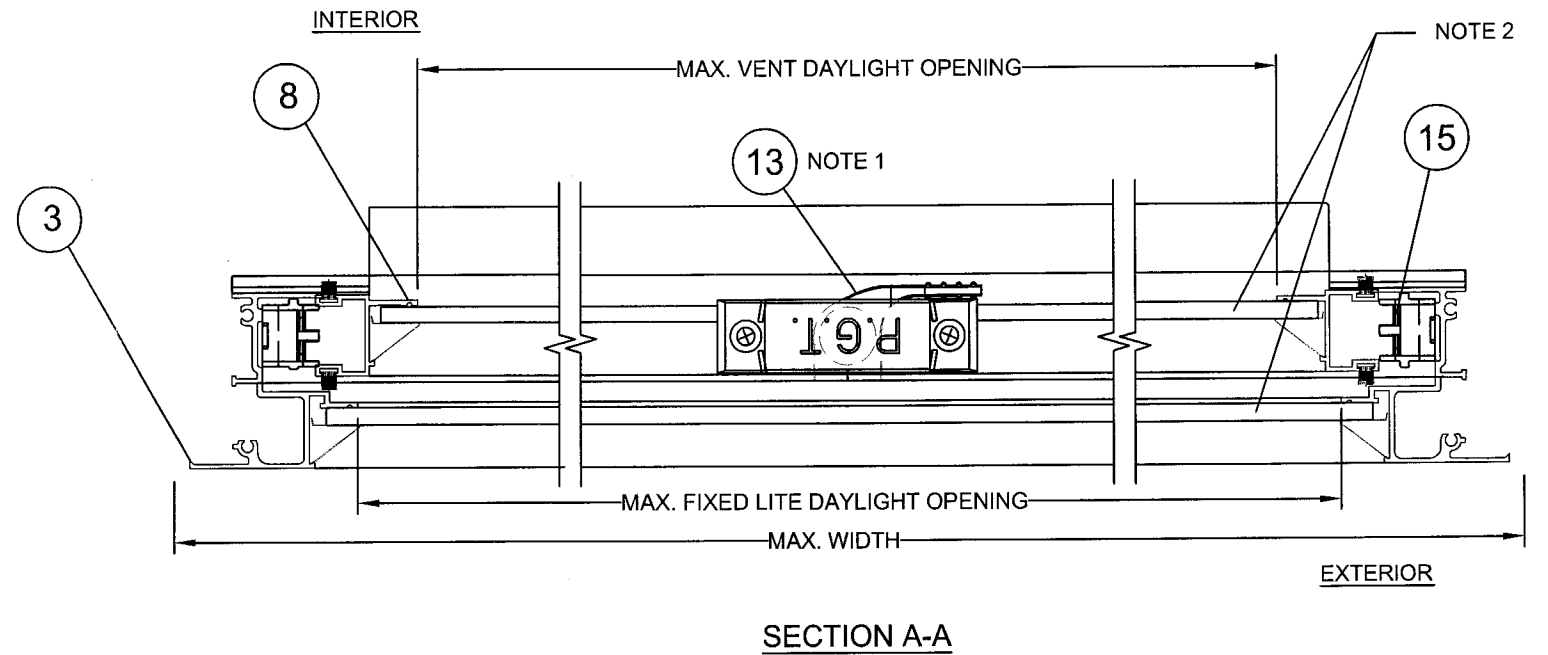
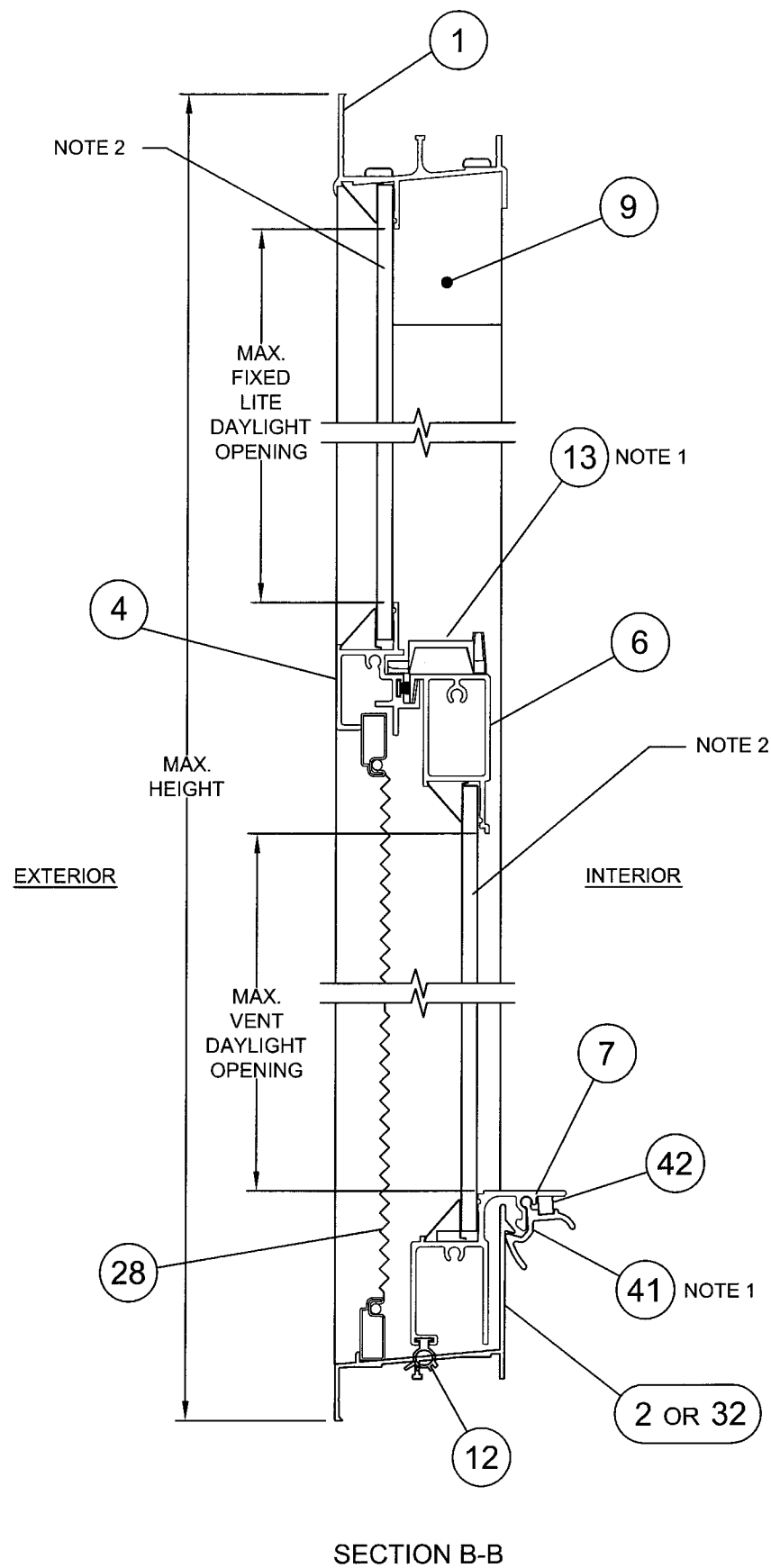

 Robert L. Clark, P.E.
 PE #39712
 Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: F	ADD AIR SPACE DIM. TO I.G. GLASS RECIPES. UPGRADE TABLE DESIGN PRESSURES PER ASTM E 1300-02.
Revsd By: F.K.	Date: 05/25/06	Revisions: E	ADD GLASS TYPES I. & J. (TEMPERED I.G. OPTIONS) REDUCE MAX. NEGATIVE DP FROM -110 TO -90 PSF
Revsd By: F.K.	Date: 12/15/04	Revisions: D	REDRAWN AND COMBINED DP TABLES, ADDED GLASS TYPES B, D, F & H UPGRADES
Drawn By: F.K.	Date: 12/15/04	Checked By: J.J.	Date: 5/26/06

1070 TECHNOLOGY DRIVE
 NOKOMIS, FL 34275
 P.O. BOX 1529
 NOKOMIS, FL 34274



Description: DESIGN PRESSURES			
Title: ALUM. SINGLE HUNG WINDOW, STD. MTG. RAIL			
Series/Model: SH4000	Scale: NTS	Sheet: 3 of 7	Drawing No. 2736
Rev: F			



NOTES:

1. WINDOWS ARE EQUIPPED WITH ITEM 13, SWEEP LATCH LOCATED ON THE VENT TOP RAIL OR ITEM 41, BOTTOM LOCK LOCATED ON THE VENT BOTTOM RAIL.
2. WINDOWS ARE GLAZED WITH ONE OF THE FOLLOWING GLASS ITEMS 21, 23, 24, 29, 51, 52, 53, 54, 55, OR 56.

PRODUCT RENEWED
as complying with the Florida
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Expiration Date 09/30/11
By
Miami Code Product Control
Division

9/20/06
Robert L. Clark, P.E.
PE #39712
Structural

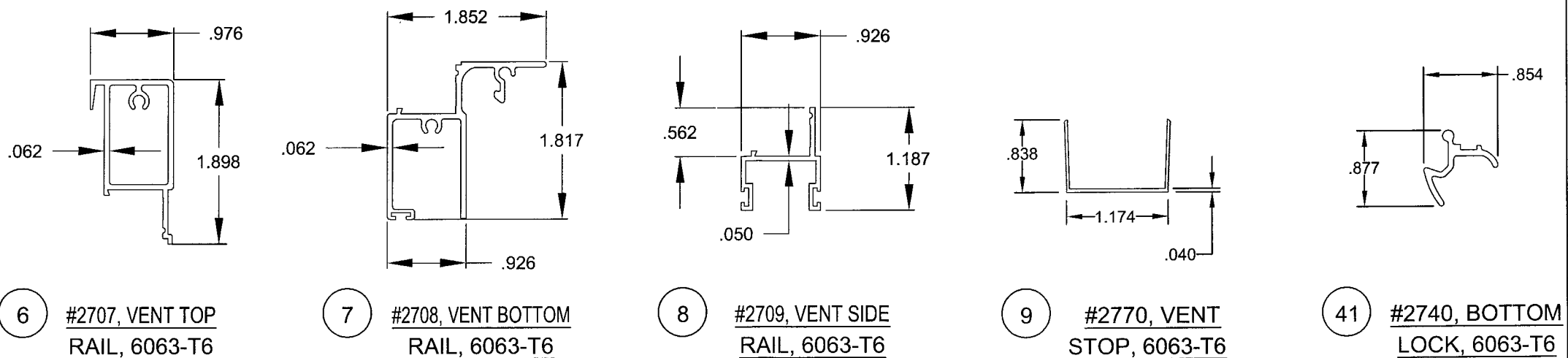
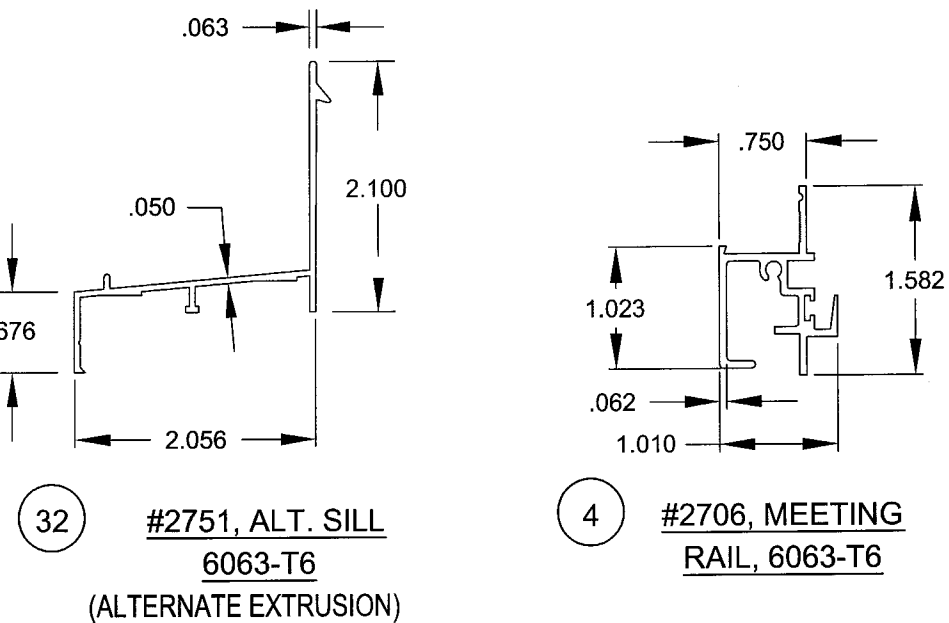
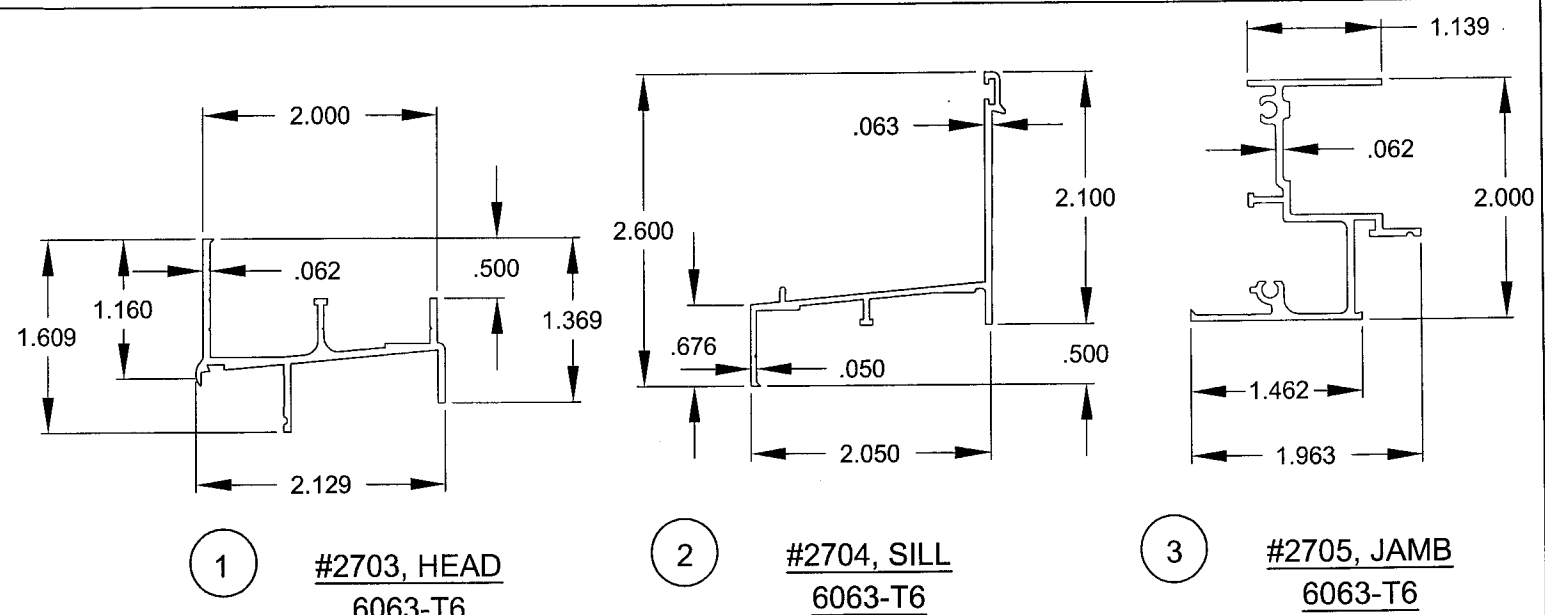
Revsd By: F.K.	Date: 09/20/06	Revisions: F	ADD ITEMS 55 AND 56 TO NOTE 2.
Revsd By: J.J.	Date: 08/05/05	Revisions: E	REDRAWN AND REMOVED ALTERNATE EXTRUSIONS.
Revsd By: F.K.	Date: 12/15/04	Revisions: D	REDRAWN AND ADDED ALTERNATE EXTRUSIONS.
Drawn By: F.K.	Date: 12/15/04	Checked By: J.J.	Date: 5/26/06

1070 TECHNOLOGY DRIVE
NOKOMIS, FL 34275
P.O. BOX 1529
NOKOMIS, FL 34274

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Description: SECTIONS	Scale: 1/2	Sheet: 4 of 7	Drawing No. 2736	Rev: F
Title: ALUM. SINGLE HUNG WINDOW, STD. MTG. RAIL	Series/Model: SH4000			

ITEM	DESCRIPTION	PGT #	VENDOR/MAT'L	DWG.#
1	FLANGED FRAME HEAD	62703	6063-T6	2703
2	FLANGED FRAME SILL	62704	6063-T6	2704
3	FLANGED FRAME JAMB	62705	6063-T6	2705
4	FIXED MEETING RAIL	6534521	6063-T6	2706
5	#8 x 1.000 QUAD PAN HEAD SMS	781PQ	SPENCER OR =	
6	VENT TOP RAIL	6534522	6063-T6	2707
7	VENT BOTTOM RAIL	6534523	6063-T6	2708
8	VENT SIDE RAIL	6534524	6063-T6	2709
9	VENT STOP	66387	6063-T6	2770
10	VENT CAM INSERT (L.H. & R.H.)	42800	NYLON 6/6	2748
11	#8 x .750 QUAD PAN HEAD SMS	7834PA	SPENCER OR =	
12	WEATHERSTRIP, VINYL BULB W/LEAF	6TP249	TEAM PLASTICS OR =	
13	SWEEP LATCH	71096	NATIONWIDE OR =	
14	#8 x .625 PHILLIPS FLAT HEAD SMS	7858	SPENCER OR =	
15	BALANCE		CALDWELL OR =	
16	WEATHERSTRIP, .187 x .270 FIN	61062	TEAM PLASTICS OR =	
17	WEATHERSTRIP, .187 x .200, FIN	67919	SCHLEGEL OR =	
18	BALANCE TAKE-OUT CLIP	7121UM	CALDWELL OR =	
19	SILICON GLAZING SEALANT	62899	DOW, GE OR =	
21	DSB 1/8" ANNEALED GLASS			
22	1/8" GLAZING BEAD	65200	FLORIDA SCREEN OR =	2718
23	3/16" ANNEALED GLASS			
24	3/16" TEMPERED GLASS			
25	3/16", 1/4" GLAZING BEAD	65196	FLORIDA SCREEN OR =	2719
26	#8 x 1.000 QUAD PAN HEAD SMS	781PQ	SPENCER OR =	
27	1" x 1 1/2" OPEN CELL FOAM PAD			
28	SCREEN ASSEMBLY			
29	1/2" I.G. GLASS (1/8"A, 1/4" AIR SPACE, 1/8"A)			
30	I.G. GLAZING BEAD	1253	TEAM PLASTICS OR =	
31	SWIGGLE			
32	FLANGED FRAME SILL	62751	6063-T6	2751
41	VENT BOTTOM RAIL LOCK	62740	6063-T6	2740
42	VENT BOTTOM RAIL LOCK SPRING	7SPRNG		
43	1" x 2" x 1/16" FOAM GASKET			
51	1/8" TEMPERED GLASS			
52	1/4" ANNEALED GLASS			
53	1/4" TEMPERED GLASS			
54	1/2" I.G. GLASS (3/16"A, 3/16" AIR SPACE, 1/8"A)			
55	1/2" I.G. GLASS (1/8"T, 1/4" AIR SPACE, 1/8"T)			
56	1/2" I.G. GLASS (3/16"T, 3/16" AIR SPACE, 1/8"T)			



Revsd By: F.K.	Date: 09/20/06	Revisions: F	ADD AIR SPACE DIM. TO I.G. GLASS RECIPES, ITEMS 29,54,55 & 56.
Revsd By: J.J.	Date: 08/05/05	Revisions: E	PARTS LIST AND EXTRUSION CONSOLIDATION. ADD ITEMS 53 & 54 (TEMPER I.G. GLASS OPTIONS)
Revsd By: F.K.	Date: 12/15/04	Revisions: D	DELETED SSB, ADDED ITEM 9, DWG. NOS. & ALLOY. UPDATED PARTS LIST W/ DWG NOS. & = VENDORS.
Drawn By: F.K.	Date: 12/15/04	Checked By: J.J.	Date: 5/26/06

1070 TECHNOLOGY DRIVE
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NOKOMIS, FL 34274

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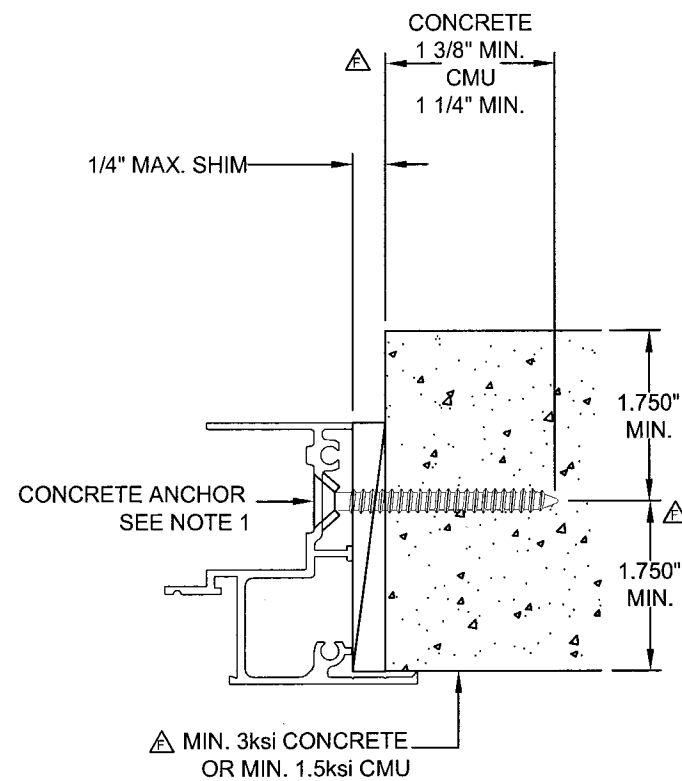
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Title: ALUM. SINGLE HUNG WINDOW, STD. MTG. RAIL			
Series/Model: SH4000	Scale: Half	Sheet: 5 of 7	Drawing No. 2736
Rev: F			

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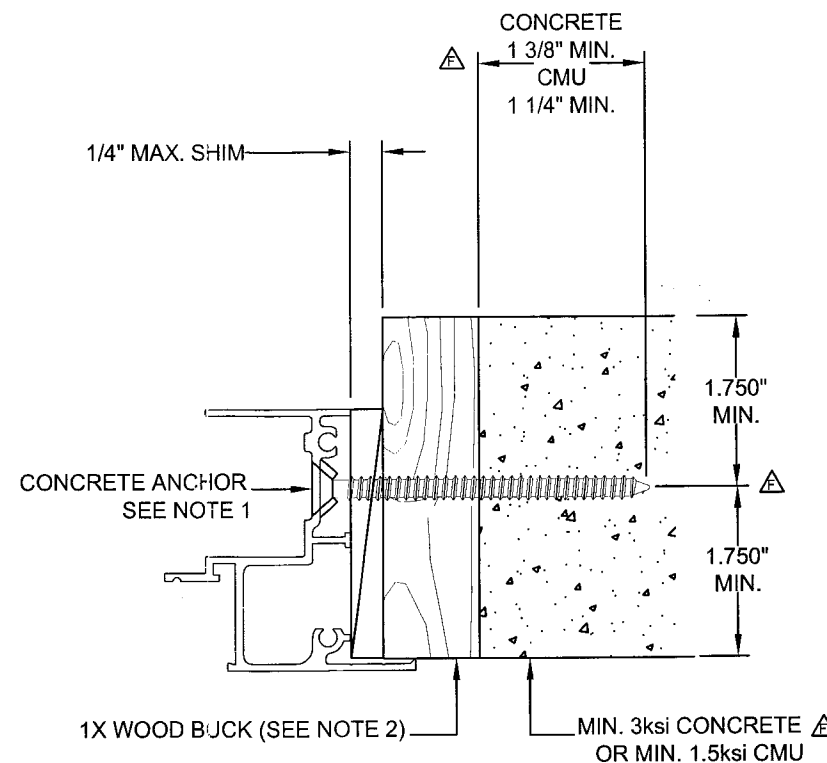
By [Signature]
Miami Dade Product Control
Division

[Signature]
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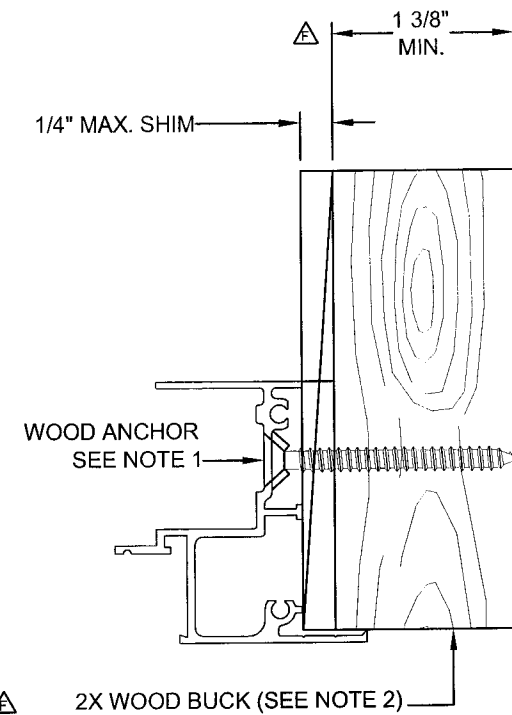
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(EXTERIOR)
DETAIL 1



(EXTERIOR)
DETAIL 2



(EXTERIOR)
DETAIL 3

TYPICAL JAMB ANCHORAGE

NOTES:

1. MIAMI-DADE COUNTY APPROVED ANCHOR TYPES: 1. ELCO 1/4" TAPCON 2. ELCO 1/4" SS4 CRETE-FLEX MASONRY SCREWS 3. #12 SCREW

△ FOR CONCRETE APPLICATIONS IN MIAMI-DADE COUNTY, USE ONLY ABOVE APPROVED 1/4" TAPCONS OR SS4 CRETE-FLEX. MINIMUM DISTANCE FROM ANCHOR TO CONCRETE EDGE IS 1.750". FOR WOOD APPLICATIONS USE #12 STEEL, G5 SCREWS OR 1/4" ELCO SS4 CRETE-FLEX ANCHORS.

2. WOOD BUCKS DEPICTED IN THE SECTIONS ON THIS PAGE AS 1x ARE BUCKS WHOSE TOTAL THICKNESS IS LESS THAN 1 1/2". WOOD BUCKS DEPICTED AS 2x ARE 1 1/2" THICK OR GREATER. INSTALLATION TO THE SUBSTRATE OF WOOD BUCKS TO BE ENGINEERED BY OTHERS OR AS APPROVED BY AUTHORITY HAVING JURISDICTION.

3. WOOD BUCKS LESS THAN 1 1/2" THICK ARE OPTIONAL (PRODUCT MAY BE INSTALLED DIRECTLY TO CONCRETE).

4. FOR ATTACHMENT TO ALUMINUM: THE MATERIAL SHALL BE A MINIMUM STRENGTH OF 6063-T5 AND A MINIMUM OF 1/16" THICK. THE ALUMINUM STRUCTURAL MEMBER SHALL BE OF A SIZE TO PROVIDE FULL SUPPORT TO THE WINDOW JAMB SIMILAR TO THAT SHOWN IN DETAIL 3 ABOVE FOR 2x WOOD BUCKS. THE ANCHOR SHALL BE A #12 SHEET METAL SCREW WITH FULL ENGAGEMENT INTO THE ALUMINUM. IF THESE CRITERIA ARE MET THE PRESSURES AND ANCHOR QUANTITIES SHOWN IN TABLE 2, SHEET 7 FOR ANCHOR TYPES 1 AND 2 IN CONCRETE MAY BE USED.

5. ANCHORS ARE NOT REQUIRED IN THE HEAD OR SILL (REF. TEST REPORTS, FTL-4253 AND FTL-4378).

6. 53 1/8" WIDE x 76" HIGH UNITS TESTED TO FULL DESIGN PRESSURE AT THE FOLLOWING SPACING:

△ JAMBS: 9" MAX. FROM CORNERS, 8 1/2" BELOW MEETING RAIL AND 17" ABOVE THE LOWER MEETING RAIL ANCHOR. 3" MIN. ANCHOR SPACING.

7. FOR INSTALLATION IN MIAMI-DADE COUNTY REFER TO DIMENSIONS OF NOTE 6 AND ANCHOR QUANTITIES PER JAMB IN TABLE 2, SHEET 7. ADDITIONAL ANCHORS, WHEN REQUIRED, TO BE EQUALLY SPACED ABOVE AND BELOW THE MEETING RAIL BETWEEN THE CORNER AND MEETING RAIL ANCHORS.

8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FBC 2004, SECTION 2003.8.4 (SUPPLEMENT 2005).

Revsd By: F.K.	Date: 09/20/06	Revisions: F	REVISE NOTES 1 & 6. REMOVE NOTE 8 RE OUTSIDE MIAMI-DADE, SPECIFY CONCRETE, CMU, EDGE DISTANCE & CHG. EMBED. IN DETAILS
Revsd By: J.J.	Date: 08/05/05	Revisions: E	REVERSE ANCHOR SHTS. & REVISE ANCHORAGE NOTES
Revsd By: F.K.	Date: 12/15/04	Revisions: D	REDRAWN, UPDATED NOTES & REMOVED HEAD & SILL SECTIONS
Drawn By: F.K.	Date: 12/15/04	Checked By: J.J.	Date: 5/26/06

1070 TECHNOLOGY DRIVE
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NOKOMIS, FL 34274

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Description: ANCHORAGE DETAILS			
Title: ALUM. SINGLE HUNG WINDOW, STD. MTG. RAIL			
Series/Model: SH4000	Scale: NTS	Sheet: 6 of 7	Drawing No. 2736
			Rev. F


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QUANTITY OF ANCHORS REQUIRED EACH JAMB																TABLE 2.
ANCHOR/SUBSTRATE		WINDOW HEIGHT														
WINDOW WIDTH	GLASS TYPE	26"			38 3/8"			50 5/8"			63"			76"		
		3/W	2/W	1,2/C	3/W	2/W	1,2/C	3/W	2/W	1,2/C	3/W	2/W	1,2/C	3/W	2/W	1,2/C
19 1/8"	A	4	4	4	4	4	4	4	4	6	4	4	6	4	4	4
	B,E,F	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6
	C,D,G,H,I,J	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6
24"	A	4	4	4	4	4	4	6	4	6	4	4	6	4	4	4
	B,E,F	4	4	4	4	4	4	6	4	6	6	6	6	6	6	6
	C,D,G,H,I,J	4	4	4	4	4	4	6	4	6	6	6	6	6	6	6
26 1/2"	A	4	4	4	4	4	4	6	6	6	6	4	6	4	4	4
	B,E,F	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6
	C,D,G,H,I,J	4	4	4	4	4	4	6	6	6	6	6	6	6	6	6
32"	A	4	4	4	4	4	6	6	6	6	6	6	6	4	4	4
	B,E,F	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6
	C,D,G,H,I,J	4	4	4	4	4	6	6	6	6	6	6	6	6	6	6
37"	A	4	4	4	4	4	4	6	4	6	6	6	6	4	4	6
	B,E,F	4	4	4	6	4	6	6	6	6	6	6	6	6	6	6
	C,D,G,H,I,J	4	4	4	6	4	6	6	6	6	6	6	6	6	6	6
40"	A	4	4	4	4	4	4	6	4	6	6	6	6	4	4	6
	B,E,F	4	4	4	6	6	6	6	6	6	6	6	8	6	6	6
	C,D,G,H,I,J	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6
44"	A	4	4	4	4	4	4	4	4	6	6	6	6	6	4	6
	B,E,F	4	4	4	6	6	6	6	6	8	6	6	10	6	6	6
	C,D,G,H,I,J	4	4	4	6	6	6	6	6	6	6	6	8	6	6	6
48"	A	4	4	4	4	4	4	4	4	6	6	6	6	6	6	6
	B,E,F	4	4	4	6	6	6	6	6	8	6	6	10	6	6	8
	C,D,G,H,I,J	4	4	4	6	6	6	6	6	6	6	6	6	6	6	6
53 1/8"	A	4	4	4	4	4	4	4	4	4	4	4	6	6	6	6
	B,E,F	4	4	4	6	6	6	6	6	8	6	6	8	6	6	10
	C,D,G,H,I,J	4	4	4	6	6	6	6	6	6	6	6	6	6	6	8

ANCHOR TYPE/SUBSTRATE KEY

3/W = #12 SCREW IN WOOD


2/W = 1/4" SS4 CRETE-FLEX IN WOOD 


1,2/C = 1/4" TAPCON OR 1/4" SS4 CRETE-FLEX IN CONCRETE

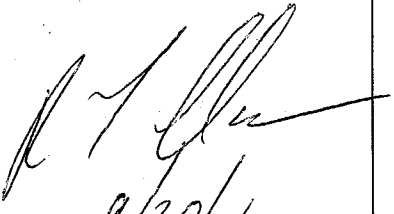
(SEE APPLICATION NOTES AND DETAILS ON SHEET 6)

NOTE: ANCHORS NOT REQUIRED IN HEAD OR SILL

GLASS TYPE KEY

A. 1/8" ANNEALED
B. 1/8" TEMPERED
C. 3/16" ANNEALED
D. 1/4" ANNEALED
E. 3/16" TEMPERED
F. 1/4" TEMPERED
G. 1/2" I.G. (1/8"A, 1/4" AIR SPACE, 1/8"A) 
H. 1/2" I.G. (3/16"A, 3/16" AIR SPACE, 1/8"A)
I. 1/2" I.G. (1/8"T, 1/4" AIR SPACE, 1/8"T)
J. 1/2" I.G. (3/16"T, 3/16" AIR SPACE, 1/8"T)

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By **Michael B. Clark**
Division


9/20/06
Robert L. Clark, P.E.
PE #39712
Structural

Revsd By: F.K.	Date: 09/20/06	Revisions: F	ADD AIR SPACE DIM. TO I.G. GLASS RECIPE. REVISE TABLE ANCHOR QUANTITIE PER NEW ANCHOR CALCS.
Revsd By: F.K.	Date: 05/25/06	Revisions: E	REVISE AND UPDATE ANCHORAGE FORMAT
Revsd By: F.K.	Date: 12/15/04	Revisions: D	NEW SHEET FOR ANCHOR SPACING.
Drawn By: F.K.	Date: 12/15/04	Checked By: J.J.	Date: 5/26/06

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Description: ANCHORAGE SPACING, 1/1 WINDOWS			
Title: ALUM. SINGLE HUNG WINDOW, STD. MTG. RAIL			
Series/Model: SH4000	Scale: NTS	Sheet: 7 of 7	Drawing No. 2736
Rev: F			